Feature & Specification

Feature

MagicNetwork

Transmits media files and office files existing on a server, to clients using the Ethernet network using the server/client architecture.

- Supported Files
  - MOVIE : MPEG 1/2 (PS), Divx 4.xx, Divx 5.xx
  - MUSIC : MP3, AC3
  - PHOTO : JPEG, BMP
  - OFFICE : MS-Word, Power Point, Excel Viewer, Acrobat Viewer, HTML (Viewer only)
- Server System Requirements (OS) :
  - Windows 2000, Windows XP

Innovative Design

- Luxurious Narrow & Slim Design

High Performance

- Crystal Clear Image Quality
  - Brightness 500 cd/m²
  - Contrast Ratio 1000:1
- Wide Viewing Angle 170˚ / 170˚
- DNIe (Digital Natural Image engine)
- High Native Resolution
- Multimedia Speakers 10 W x 2 ch (option)

Magic Speed

- The fastest response time
- The fast response time of 8 ms ensure stable viewing of DVDs and streaming video.

High Economical Efficiency

- Long Life Time 50,000 hour (MTBF)
- Low Power Consumption 330 W
- Innovative Power Saving System (DPMS)
  - Minimal Power 5 W
  - Zero Power Consumption in Power Off Mode

Various & Convenient Control

- PIP / PBP / POP
- MDC (Multi Display Control)

Sound

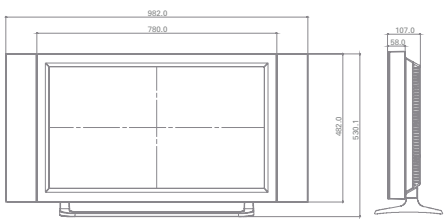
- BBE / Virtual Dolby

Specifications

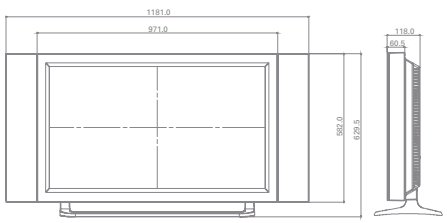
	SM320P	SM400P(n)	SM460P(n)
Panel			
Viewable Area	32"	40"	46"
Pixel Pitch (mm)	0.511 x 0.511	0.648 x 0.648	0.7455 x 0.7455
Brightness (typ.)	450 cd/m²	500 cd/m²	500 cd/m²
Contrast Ratio (typ.)	1000 : 1	1000 : 1	800 : 1
Viewing Angle (H/V)	170˚ / 170˚	170˚ / 170˚	170˚ / 170˚
Response Time (ms) (typ.)	8 *	8 *	8 *
Frequency			
Horizontal Frequency (kHz)	30-70	30-70	30-70
Vertical Frequency (Hz)	50-85	50-85	50-85
Maximum Resolution	1366 x 768	1366 x 768	1366 x 768
Color Supported	16.7 Mil.	16.7 Mil.	16.7 Mil.
Signal Input			
Input Video Signal	Analog RGB, BNC, DVI-D, CVBS Video S-Video Component Video	Analog RGB, BNC, DVI-D, CVBS video S-Video Component Video	Analog RGB, BNC, DVI-D, CVBS Video S-Video Component Video
Sync. Type	Separate H/V, Composite, SOG	Separate H/V, Composite, SOG	Separate H/V, Composite, SOG
Input Connectors	D-Sub, DVD-D, S-Video BNC (Video) BNC (Component/PC)	D-Sub, DVD-D, S-Video BNC (Video) BNC (Component/PC)	D-Sub, DVD-D, S-Video BNC (Video) BNC (Component/PC)
Plug & Play-DDC	DDC 2B	DDC 2B	DDC 2B
Power			
On Mode	160 W	230 W	280 W
DPMS Mode	<5 Watts	<5 Watts	<5 Watts
Energy star / NUTEK	N/A	N/A	N/A
Cabinet Color			
Front Cabinet	Black / Dark Silver	Black / Dark Silver	Black / Dark Silver
Back	Black	Black	Black
OSD-Digital Display Director™	Kor/Jap/Chi/Fren/Ita/Swe/Ger/ Eng/Spa/Por	Kor/Jap/Chi/Fren/Ita/ Swe/Ger/Eng/Spa/Por	Kor/Jap/Chi/Fren/Ita/Swe/ Ger/Eng/Spa/Por
Supplied Accessories	MDC Program, User Manual, Tablefoot 2 pcs, RCA Adapter 4 pcs, Power Cable, Audio Cable, D-sub Cable	MDC Program, User Manual, Tablefoot 2 pcs, RCA Adapter 4 pcs, Power Cable, Audio Cable, D-sub Cable	MDC Program, User Manual, Tablefoot 2 pcs, RCA Adapter 4 pcs, Power Cable, Audio Cable, D-sub Cable
Dimension			
Set (W x H x D) mm (with stand)	780 x 529 x 223 (option stand)	971 x 629.5 x 223 (option stand)	1102 x 715 x 293 (option stand)
Set (W x H x D) mm (w/o stand)	780 x 482 x 107	971 x 582 x 118	1102 x 658 x 126.5
Packing (W x H x D) mm	898 x 600 x 262	1108 x 700 x 280	1248 x 824 x 304
Weight			
Net (kg)	17	23	28
Gross (kg)	20	27	33
Optional Accessories			
Speaker	SP-L320PB/S	SP-L400PB/S	SP-L460PB/S
Wall Mount	WMTL4001	WMB-4050PS	WMB-4050PS
Stand	STN-L320PB	STN-L323TB	STN-L403TB
MTBF	50,000 hrs	50,000 hrs	50,000 hrs

Dimensions

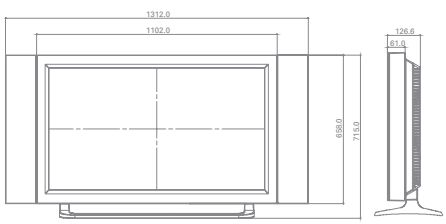
- 320P: unit (mm)



- 400P/400Pn: unit (mm)



- 460P/460Pn: unit (mm)



LCDTVIM0511CA02HQ-WW

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imagine visual synergy

Enter the pathway to success guided by **Samsung Display**

SyncMaster 320P / 400P(n) / 460P(n) Monitor

SAMSUNG

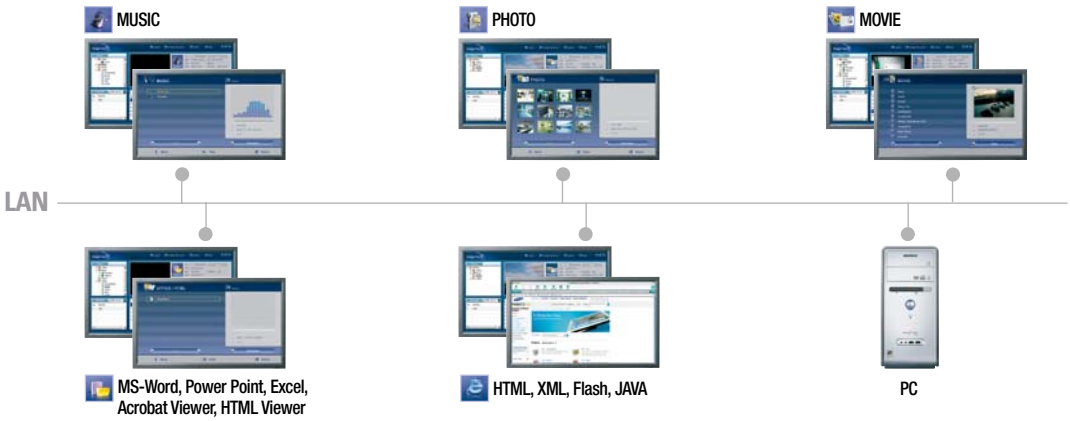
Network Solution

User Convenience

There are two transmission methods. The first is where the server sends files to the clients after registering to the schedule. In the other, the client searches for the files registered in the library of the server, selects the files to be received, and plays them after receiving them via the network. Each client, by itself, has the capability to access the Internet.

- Video File Format : MPEG1, MPEG2 (PS), DivX 4.x, DivX 5.x
- Audio File Format : MP3
- Photo File Format : JPEG, BMP
- Office File Format : MS-Word, Power Point, Excel, Acrobat Viewer, HTML Viewer (Viewer Only)
- etc : HTML, XML, JAVA, Flash

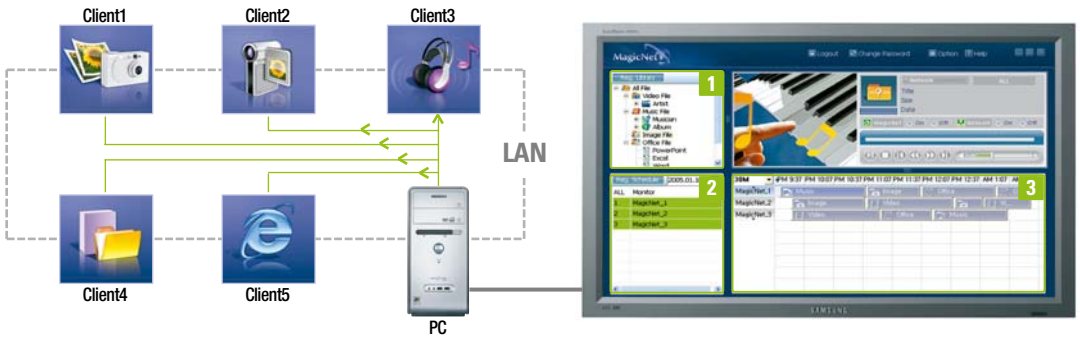
Server System Requirements OS : Windows 2000, Windows XP



- **General Spec. (MagicNet Board)**
- **OS :** WinCE.NET 5.0
- **Storage :** 256 MByte FDM
- **Memory :** 128 MByte RAM
- **connector :** USB 2.0

Push Mode

MagicNet transmits media files (photo, audio and movie files) and office files (Power Point, Excel, Word, HTML and PDF files: viewer only) existing on a server to clients on an Ethernet network using the server/client architecture.



Asset Management
- Power On/Off
- Monitoring

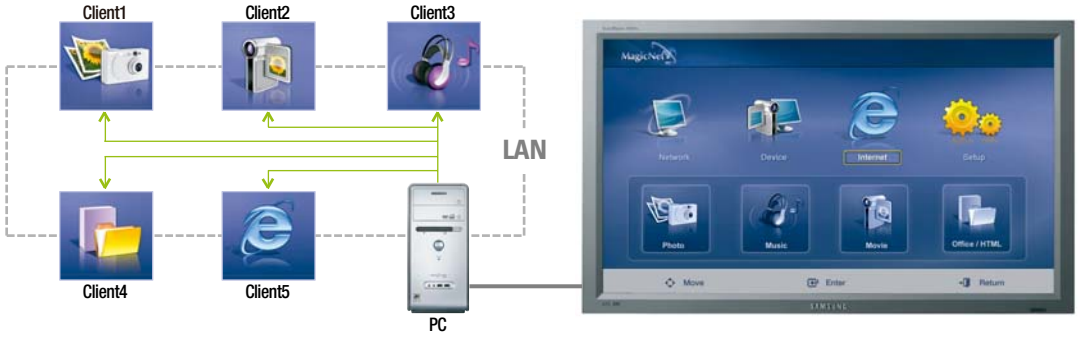
(1) Client Library
- File Management

(2) Client Monitoring

(3) Control Function
- Contents Scheduling (For 30 days)
- Schedule Management (Cut, Move, Insert, etc)

Pull Mode

Several clients can be connected to a server and any file can be transmitted to any client over the network.

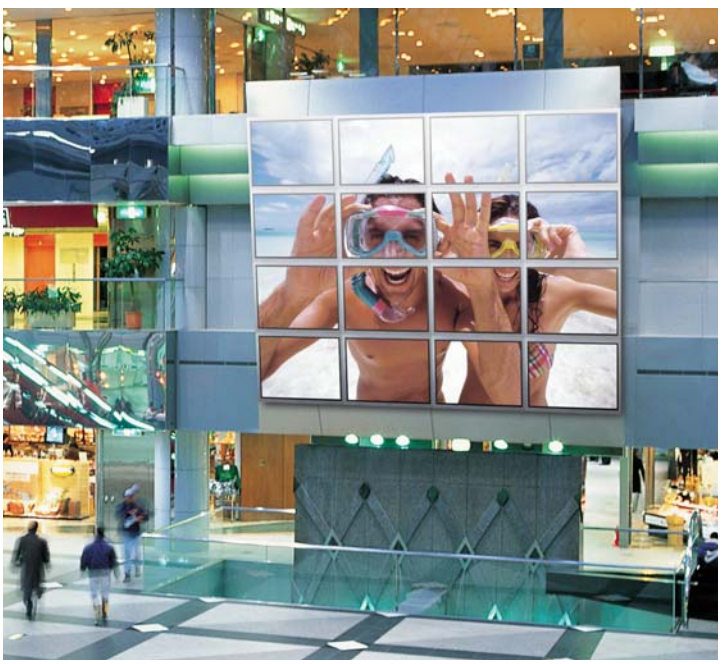


Local Device Connectivity through USB 2.0
- Portable Storage Devices (Multimedia Card, Memory Stick, Smart Media etc)
- Removable Hard Disk
- Digital video camera (Only Mass Storage Class)

USB 2.0

Commercial Display Usage

1. Public Display / Airport
2. Public Display / Shopping Mall
3. Public Display / Airport



eparts Departures
me Flight Destination Chek-in desk Remark
2:30 CX406 Seoul 01 Delayed
2:05 MU50 Jinan Closed Proceed
12:20 CA102 Los Angeles 02 Proceed
12:25 LH739 Frankfurt 03 Delayed
12:35 TG601 BangKok 23-29
13:05 OZ302 Shanghai 06-07 Proceed
13:45 KA04 Qingdao 33 Proceed
13:50 CI606 Xiamen 12
14:10 CZ25 NewYock 32
14:30 CI602 Taipei 04
eparts Departures

Crisp Images With High Performance

Picture Quality

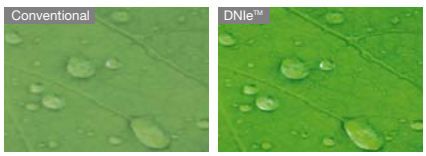
DNIe™
(Digital Natural Image engine)

Motion Optimizer
Combined spatial and temporal noise reduction that maintains a sharp picture whether it's still or moving.

Contrast Enhancer
Applies a million criteria for contrast yet spares you the side-effects of conventional contrast enhancement.

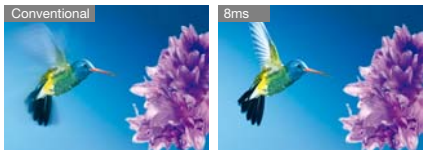
Color Optimizer
Preserves the original level of brightness while adjusting the colors to shades your eyes accept as natural.

Detail Enhancer
Selectively sharpens edges so that you see things on your screen just the way you do in real life.

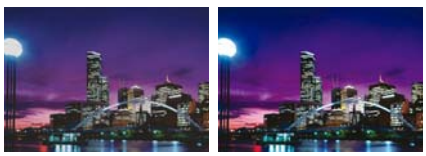


MagicSpeed
8ms

- The fast response time of 8 ms ensure stable viewing of DVDs and streaming video.
- Ideal for multimedia-driven applications, gaming, animation or for general users viewing video over the world wide web.



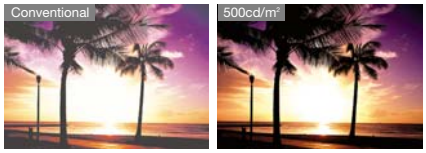
High Contrast
SyncMaster 320P/400P/400Pn each boast contrast ratio of 1000:1 surpassing the contrast ratio of regular TVs. They're capable of delivering a clear image even in brightly-lit settings, ensuring that your customers will be able to get the information they want at a glance.



Conventional | SyncMaster 320P/400P(n) (1000:1)

Signal Balance
Used to make up for the weak RGB signal which has been transmitted by a long signal cable.

Brightness 500cd/m²
Samsung LCD Monitors produce remarkably bright pictures the industry's highest brightness level at 500cd/m². You will not believe your eyes.



Anti-Glare Coating
Special anti-glare coating technology is applied to the screen surface, so the reflection is maximally diffused to ease eyestrain.

Normal Screen | Anti-Glare Screen

Innovative Features

Screen Scroll
- Keeping the image moving imperceptibility
- Anti image Retention Timer Function Available

HD ready

The first thing you'll notice about Samsung HD Ready feature is the exceptional clarity on a wide screen. With Samsung's cutting-edge technologies HD Ready feature realizes razor-sharp images as vivid as reality itself.

Support HDCP in DVI
Samsung Monitors are equipped with DVI-D, which allows for the 100% transmission of visual digital signals when connecting to a PC, STB, DVD, or DTV with visual digital signals. The ability to reproduce sources without any signal loss means perfect image recreation that captures every subtle nuance and exquisite detail that digital technology permits. DVI-D guarantees interface with the digital devices of the future.

Economical Efficiency

Low Power Consumption
SyncMaster 320P/400P/400Pn/460P/460Pn operate with a low 330W power supply, and a Digital Power Management System (DPMS) is applied to utilize minimal power (under 5W) when the unit is in standby mode. This extremely effective use of energy is supported by excellent power save functions. A mechanical power-off device turns the unit off completely when the product is not in use, so overall power consumption is kept low.

Long Life Time
The life time of SyncMaster 320P/400P/400Pn/460P/460Pn lasts approximately 50,000 hours, so its life time is extended enormously, ensuring your investment lasts longer.

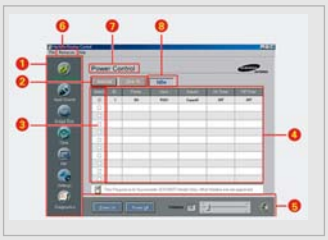
Lamp Control
Used to adjust Backlight in order to reduce energy consumption.
- Auto Lamp Control (by MDC Program)
  - 320P/400P/400Pn/460P/460Pn : 450cd/m²~500cd/m²

Convenience & Economical Efficiency

Varied and Convenient Control

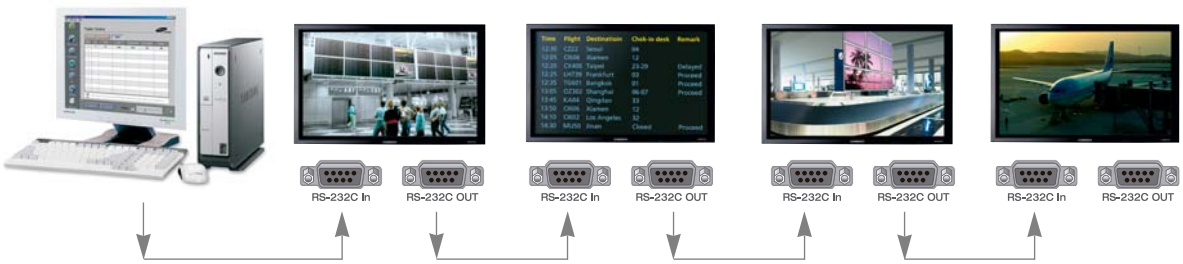
Multi Display Control (MDC)

More control is always good. Especially when it's easy. The built-in RS232C interface lets you control up to 10 units as a single display from your PC. Just open the supplied MDC software, list the units to be controlled, and click on the function you display. It's that simple.



MDC Software Screen Shot

1. Main Icons : Use the main icons to switch to each screen.
2. Select Button : Click Select all or Clear to select or clear all displays.
3. Display Selection : Select a display from Display Selection.
4. Info Grid : Use Grid to view brief information on selected display.
5. Control Tools : Use Control Tools to control displays.
6. Remocon : Allows you to enable or disable the remote control signal receiving function of the display unit.
7. Title : The current title to be controlled is displayed.
8. Comm. Status : Indicates the communication status between the MDC and the display.



This picture shows how can users connect 4 LCD Monitor units for multi display.

Connectivity

TO BE (400Pn / 460Pn)

- Various Vertical input Connection for Efficient Installation
- Cabling Clean Touch for Easy Handling

1. Power Switch
2. Power In
3. RS-232C In /Out
4. DVI Port
5. RGB Port
6. PC, DVI, Audio In
7. Component Audio In
8. BNC, Component In/Out
9. AV Audio In/Out
10. Video In/Out
11. S-Video In/Out
12. EXT. Speaker
13. Monitor In/Out
14. LAN (RJ-45)
15. USB

PIP/PBP/POP

For the convenience of users, SyncMaster 320P/400P/400Pn/460P/460Pn have added a Picture in Picture display function. This way you can watch a movie, play a game and still carry out business in a third on-screen window. Work & play at the same time!

PIP PBP POP

Vertical Display

VERTICAL DISPLAY

SyncMaster 320P/400P/400Pn/460P/460Pn have a pivot function that freely rotates around 90˚ degrees, allowing you to easily view a vertical image or text.

Landscape

Portrait

Vertical Input

Landscape idea or portrait idea? You're not limited with Samsung. Our LCD Monitor can be Mounted either horizontally or vertically.

No Noise & Heat

SyncMaster 320P/400P/400Pn/460P/460Pn stand out from other regular monitors, not just for how they look but also for how quiet they are. Because SyncMaster 320P/400P/400Pn/460P/460Pn generate significantly lower heat than comparable units.

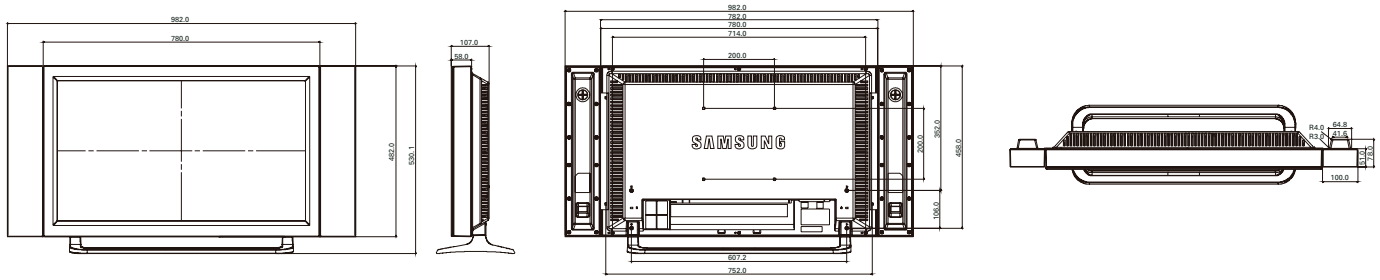
CERTIFIED CRESTRON Integrated Partner

We established relationships with the key players needed to deliver the display solutions. Crestron Electronics, Inc. has been the leader in the systems integration market. We provide seamless solution with Crestron's various integrated solutions.

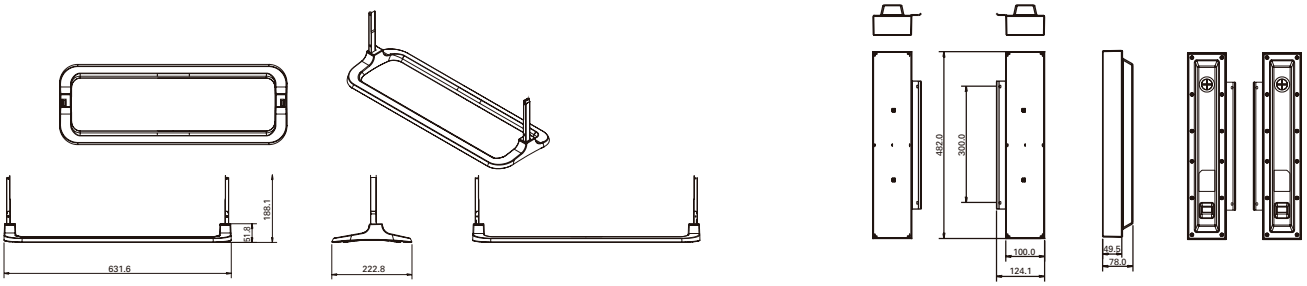
Accessories

320P Model

Mechanical Lay-out & Monitor Head



Stand & Speaker



STN-L320PB

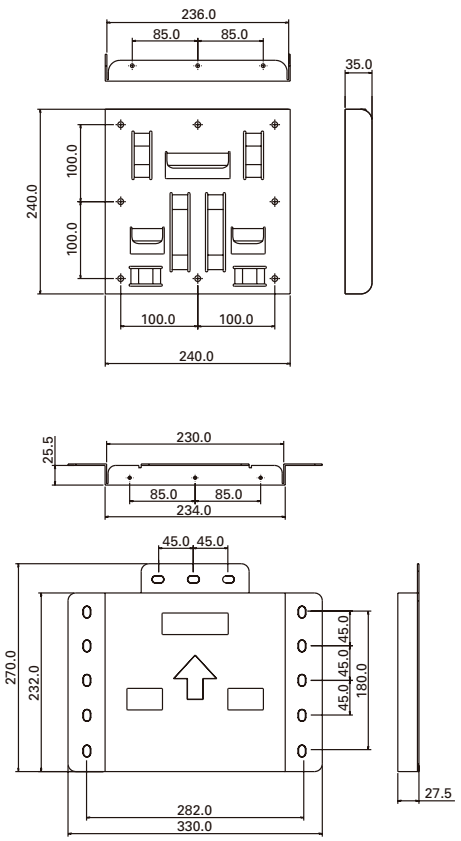
SP-L320PB/S

Ceiling Mount

CML 500D
(For 400P / 400Pn / 460P / 460Pn)

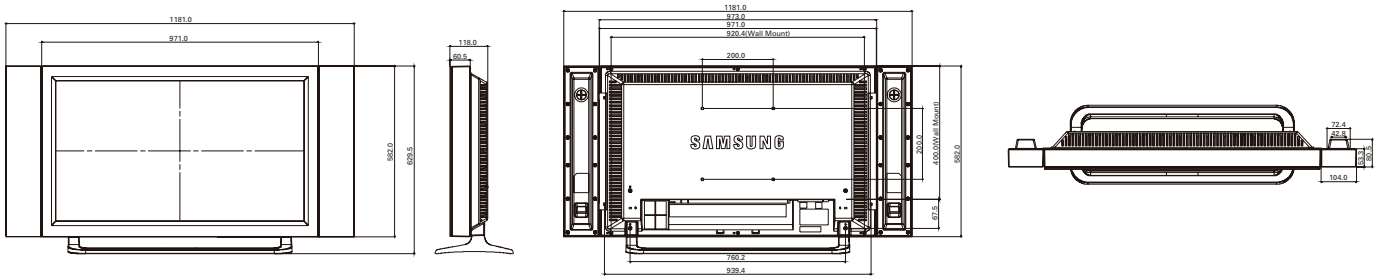
Wall Mount / Vertical Mount

WML4001D
(For 320P)

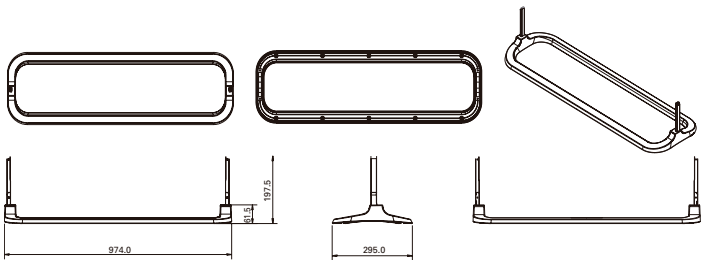


400P / 400Pn Model

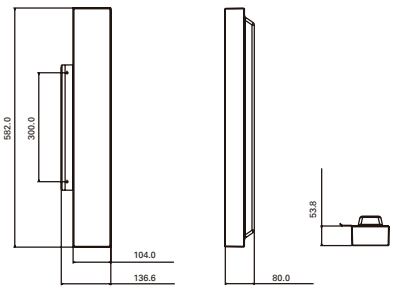
Mechanical Lay-out & Monitor Head



Stand & Speaker

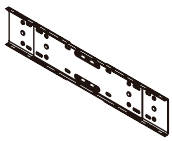


STN-323TB



SP-L400PB/S

Components (WMB-4050PS)



WALL BRKT-PLATE:1 EA

ASSY -HINGE (LEFT):1 EA

ASSY -HINGE (RIGHT):1 EA

PLASTIC:4EA

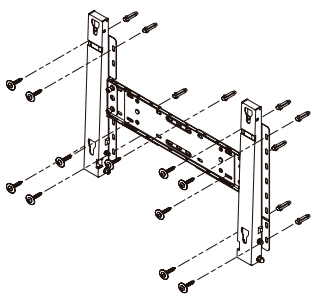
SCREW:11EA

SCREW:4EA

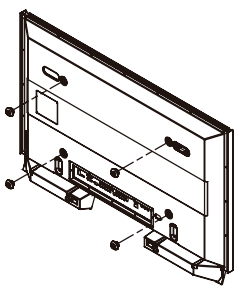
SCREW:11EA

Only use the components and accessories shipped with the product.

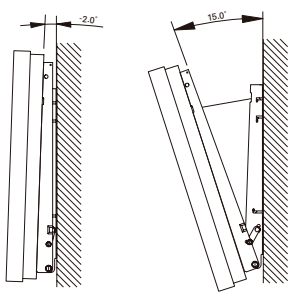
Wall Bracket Assembly & Wall Bracket & Wall Bracket Angle Adjustment (WMB-4050PS)



Check the installation diagram and mark the drill points on the wall. Use the 5.0 mm bit to drill holes deeper than 35 mm. Fix each anchor in the corresponding hole. Match each of the brackets and hinge holes to the corresponding anchor holes and insert and tighten the 11 screws A.



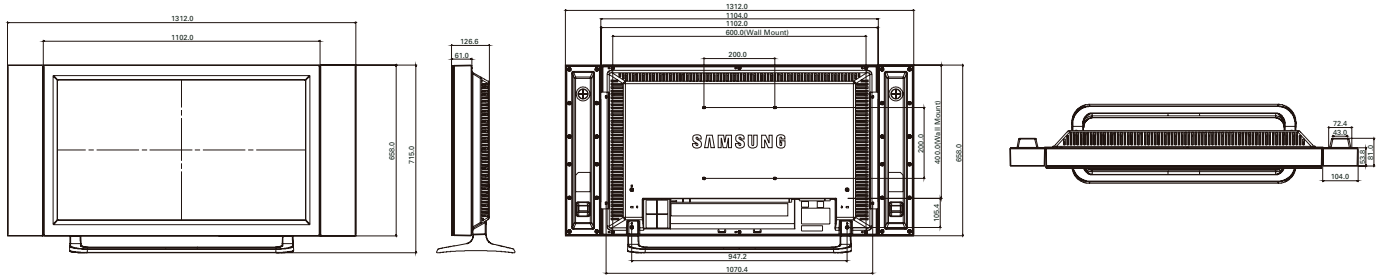
Remove the 4 screws on the back of the product. Insert the screw B into the plastic hanger.



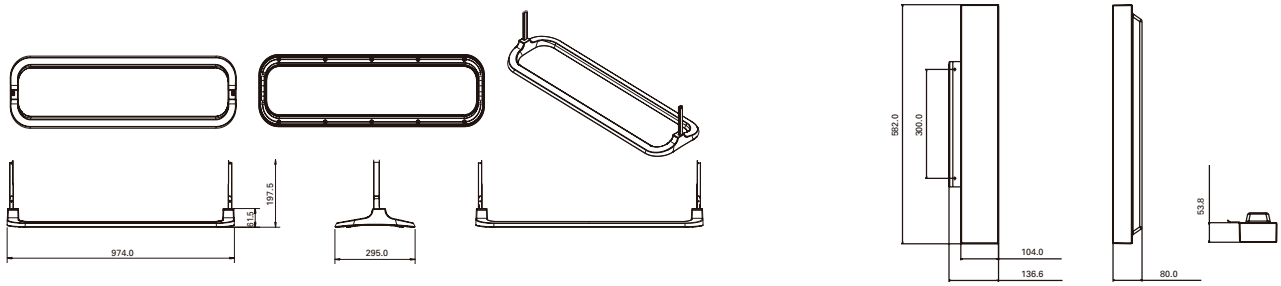
1. Fix the product to the wall bracket.
2. Hold the product at the top in the center and pull it forward (direction of the arrow) to adjust the angle. (See the figure to the right)
3. You can adjust the bracket angle between -2° and 15°.

460P / 460Pn Model

Mechanical Lay-out & Monitor Head



Stand & Speaker

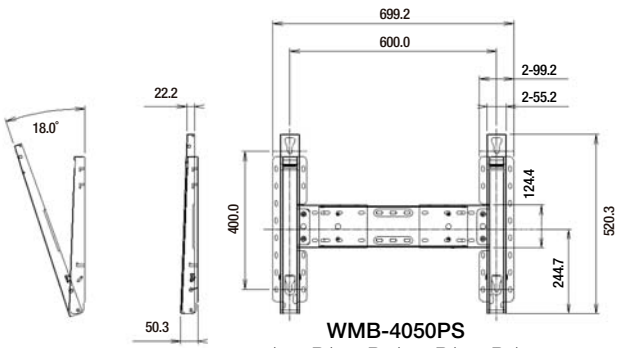


STN-L403TB

SP-L460PB/S

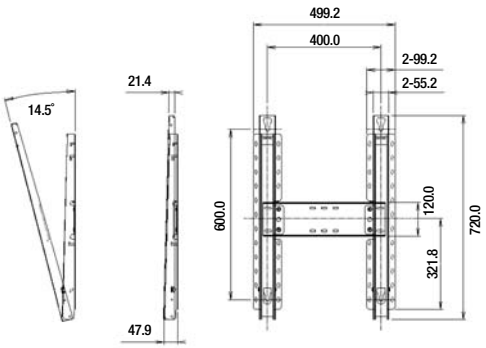
Wall Mount / Vertical Mount (400P / 400Pn / 460P / 460Pn)

Wall Mount



WMB-4050PS
(400P/400Pn/460P/460Pn)

Vertical Mount



VMN4240D
(400P/400Pn/460P/460Pn)

- Contact a technician for installing the wall bracket.
- Samsung Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.